

FIG. 1

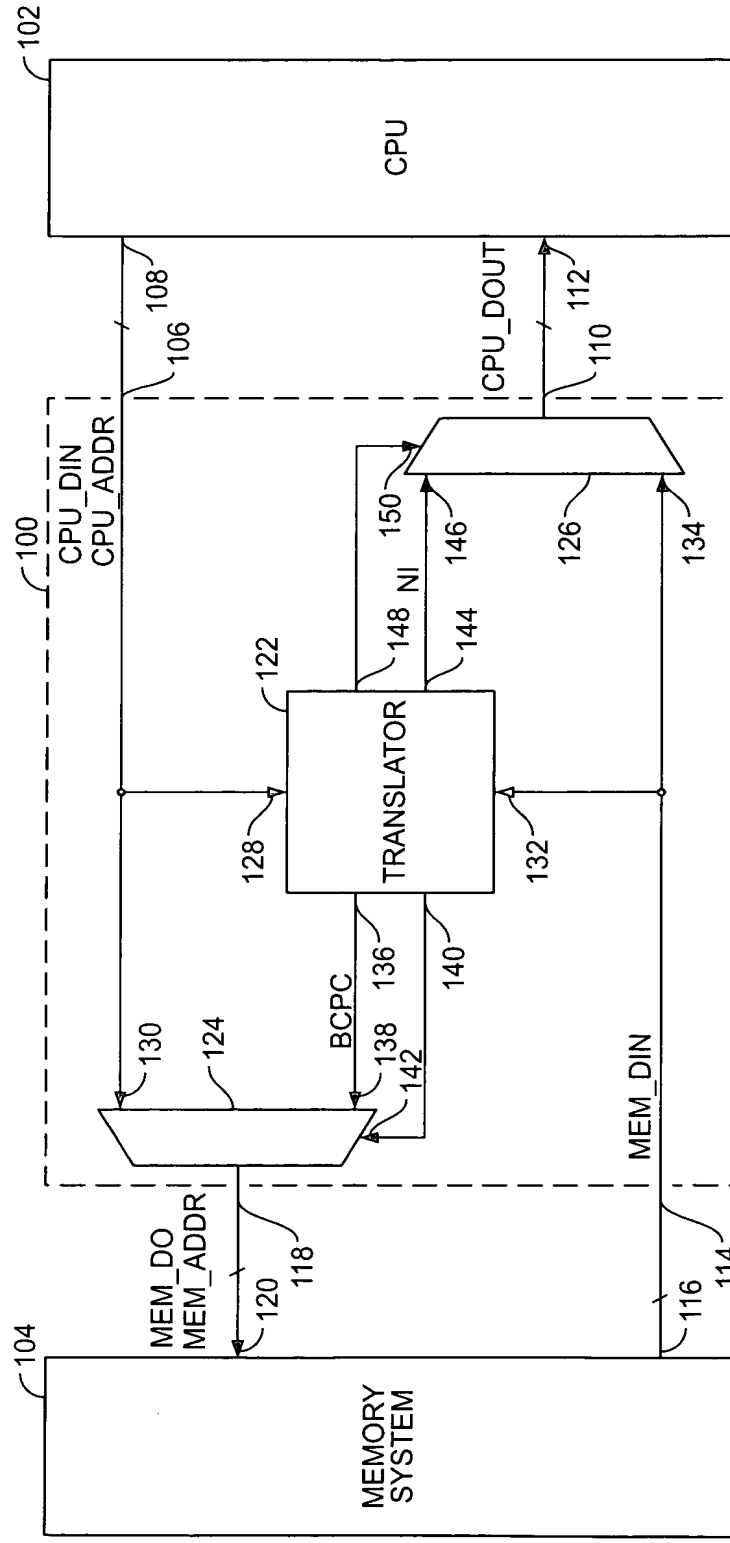


FIG. 2

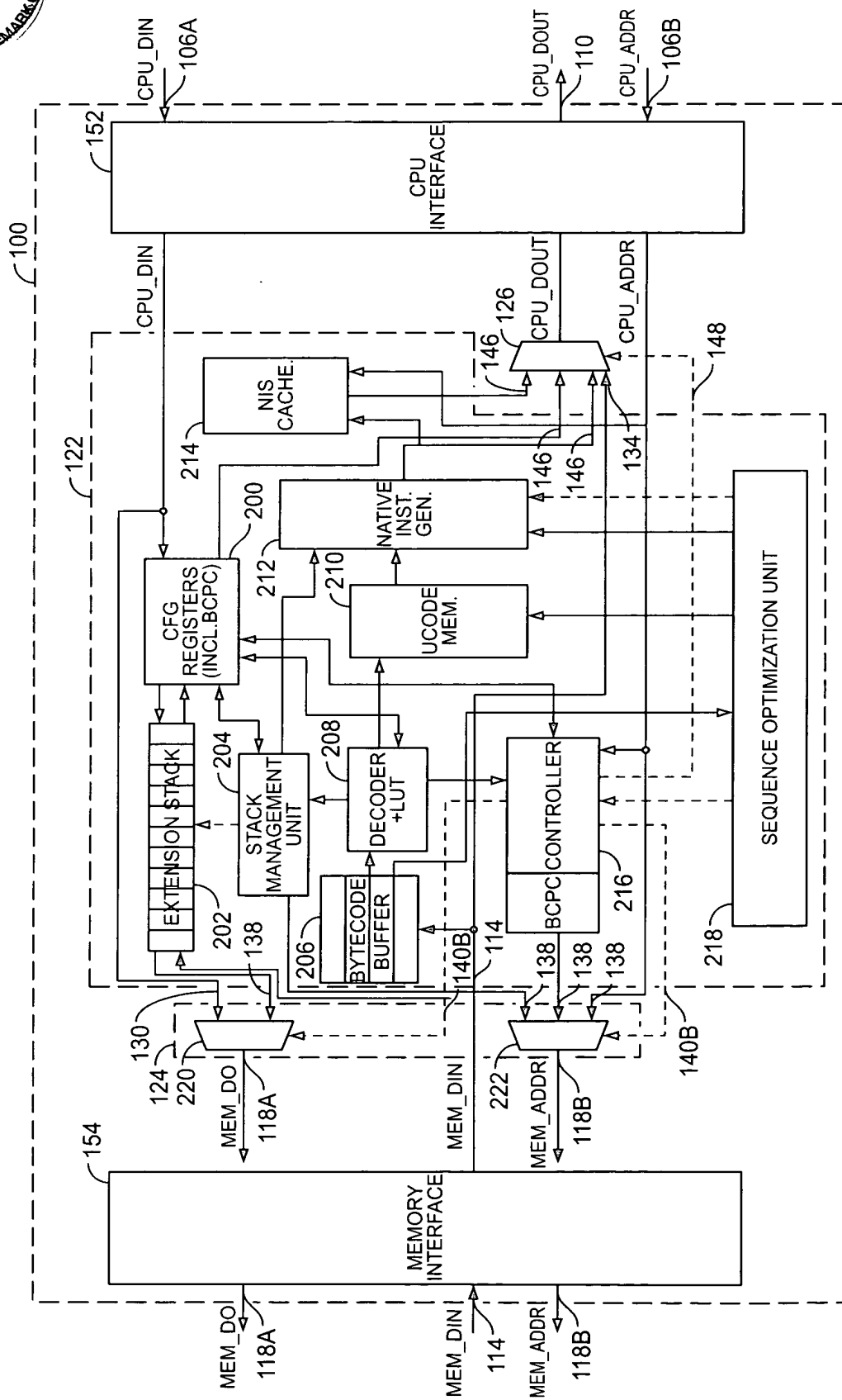


FIG. 3

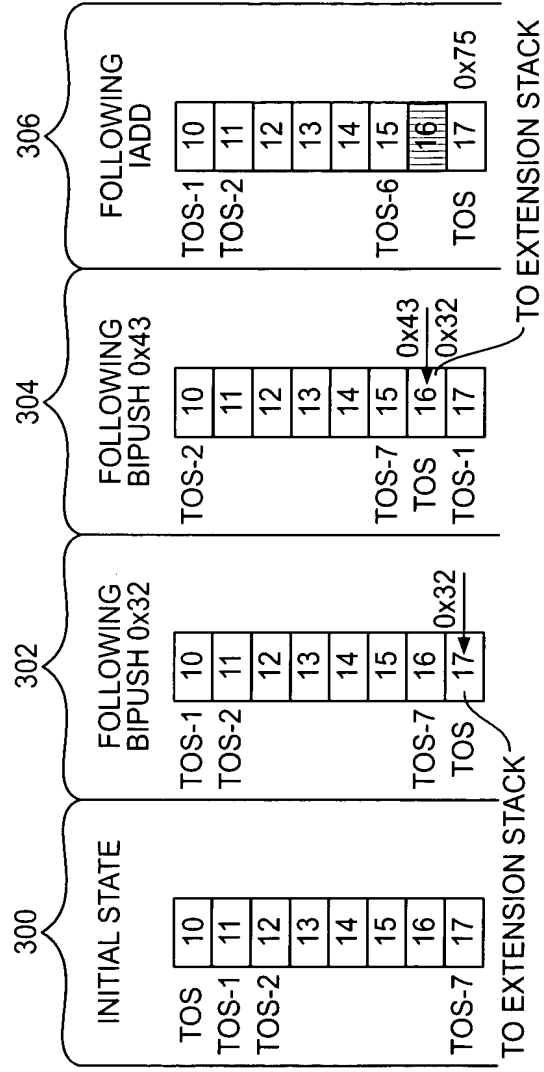


FIGURE 3 STACK BEHAVIOR

FIG. 4

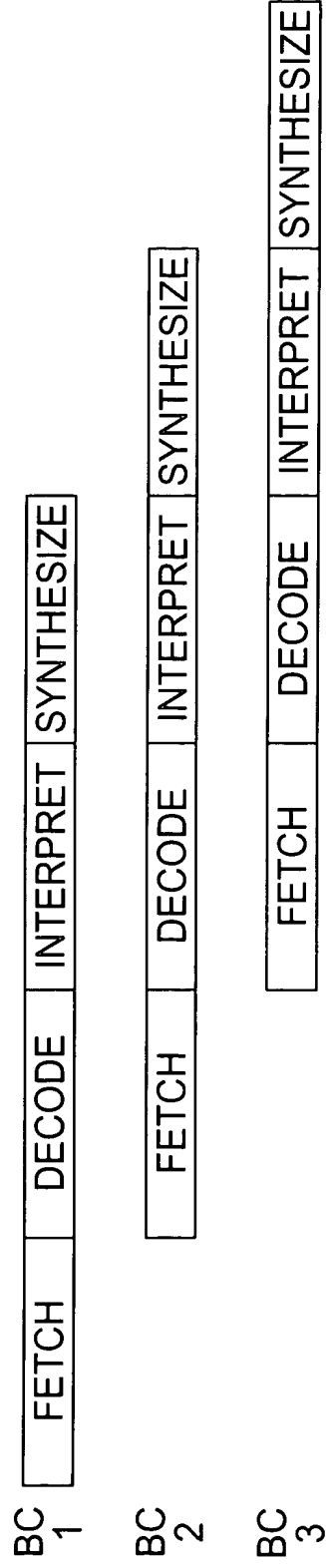


FIG. 5



| | CYCLE #1 | CYCLE #2 | CYCLE #3 | CYCLE #4 | CYCLE #5 | CYCLE #6 | CYCLE #7 | CYCLE #8 | CYCLE #9 | CYCLE #10 |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| BCPC | 00 | 04 | 08 | 36 | | | | | | |
| 350 | FETCH | 00-03 | 04-07 | 08-11 | | | | | | |
| | DECODE | | 00 | 01-02 | 03-05 | 06-08 | | | | |
| | INTERPRET | | | 00 | 01-02 | 03-05 | 06-08 | | | |
| | SYNTH. | | | | 00 | 01-02 | 03-05 | 06-08 | | |
| | | | | | | | | | | |
| 352 | FETCH | | | | 36-3A | | | | | |
| | DECODE | | | | | 37 | | | | |
| | | | | | | | | | | |
| 354 | PC | | | | 1010 | 1011 | 1012 | 1018 | 1014 | 1015 |
| | R | | | | | 1010 | 1011 | 1012 | 1016 | 1014 |

FIG. 6

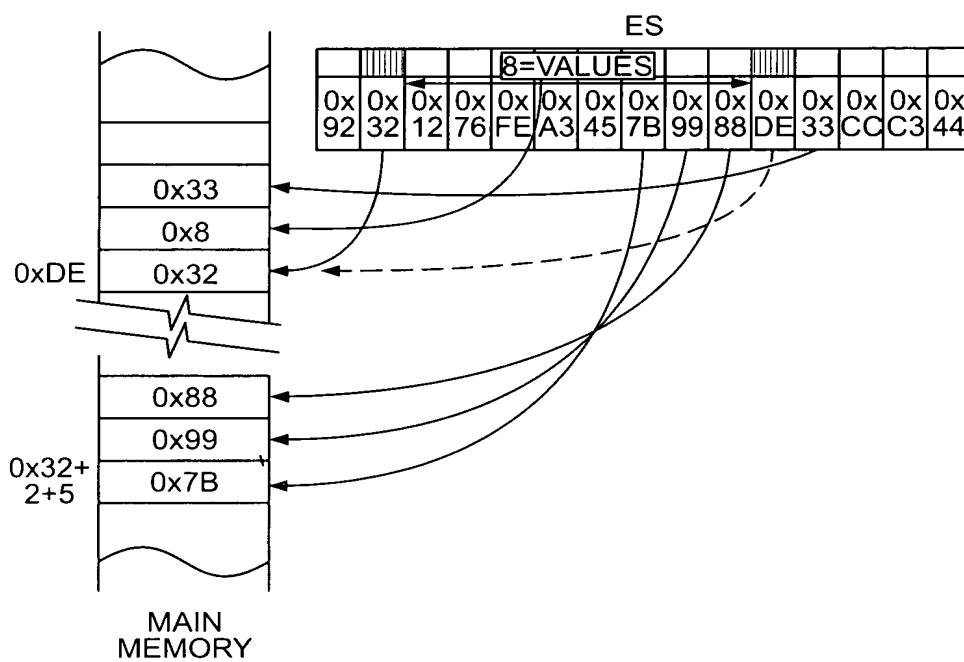


FIG. 7

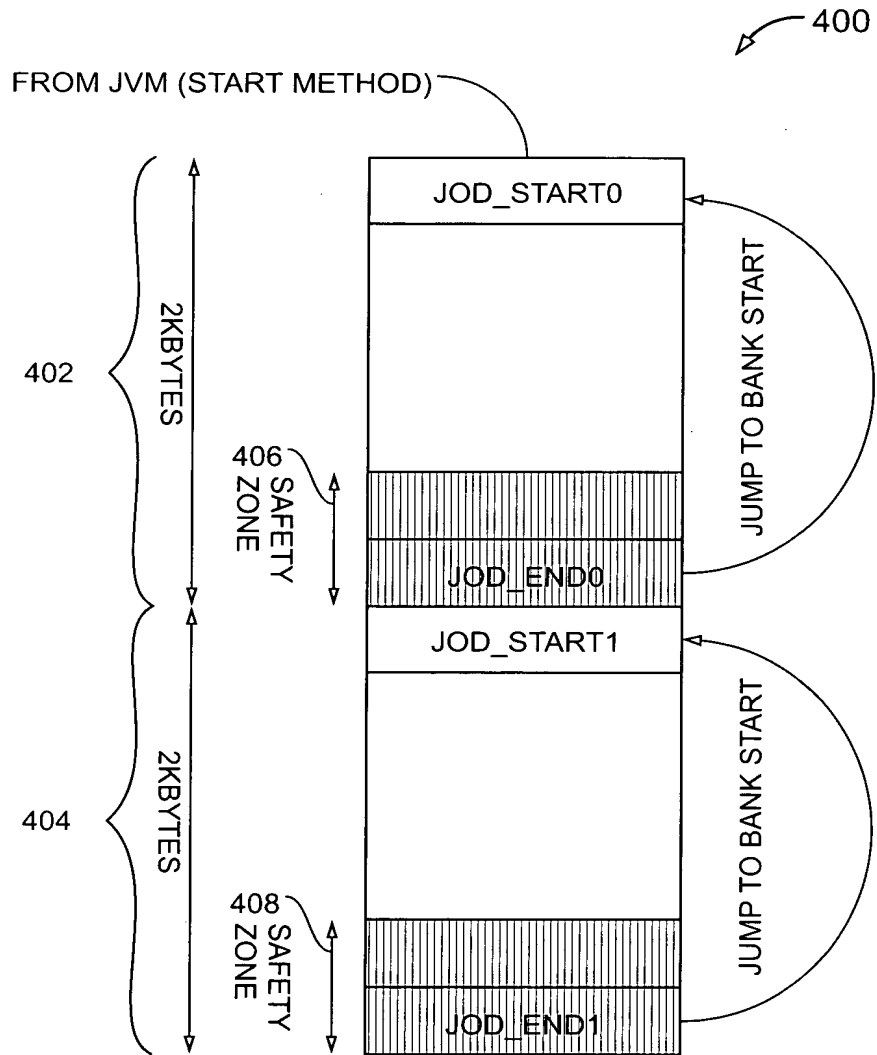


FIG. 8

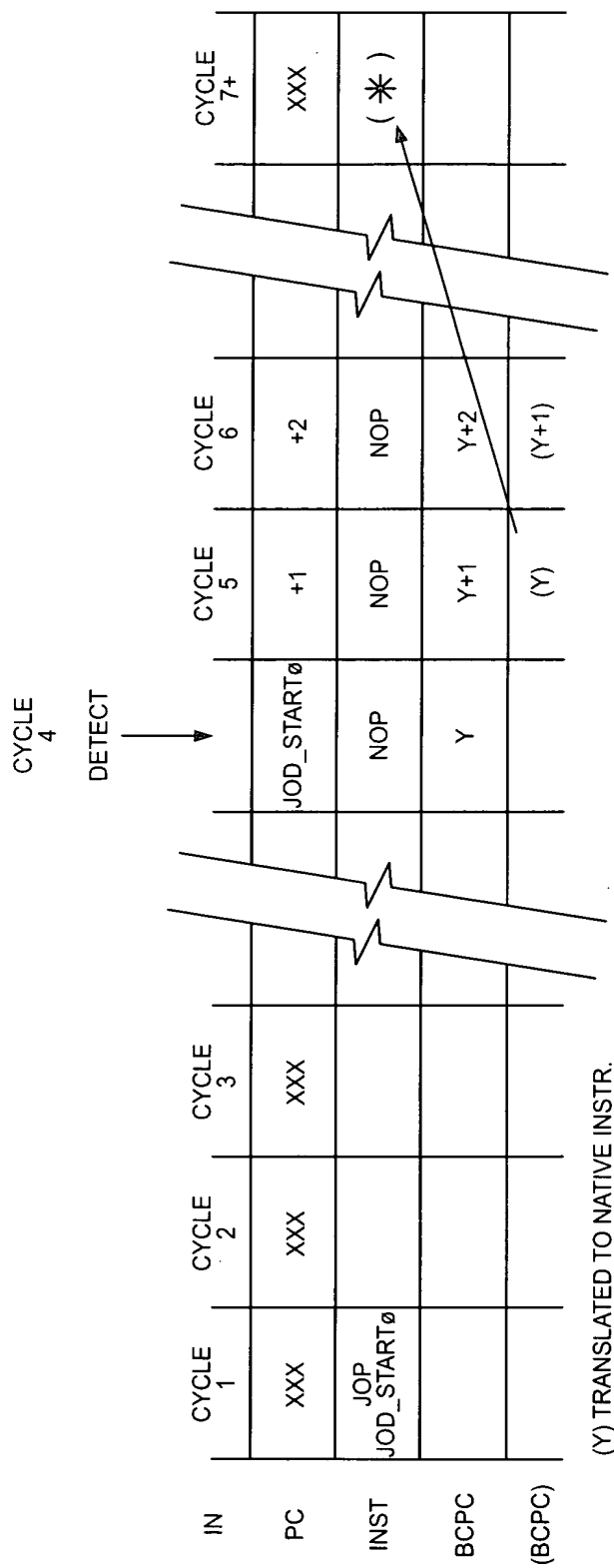


FIG. 9A

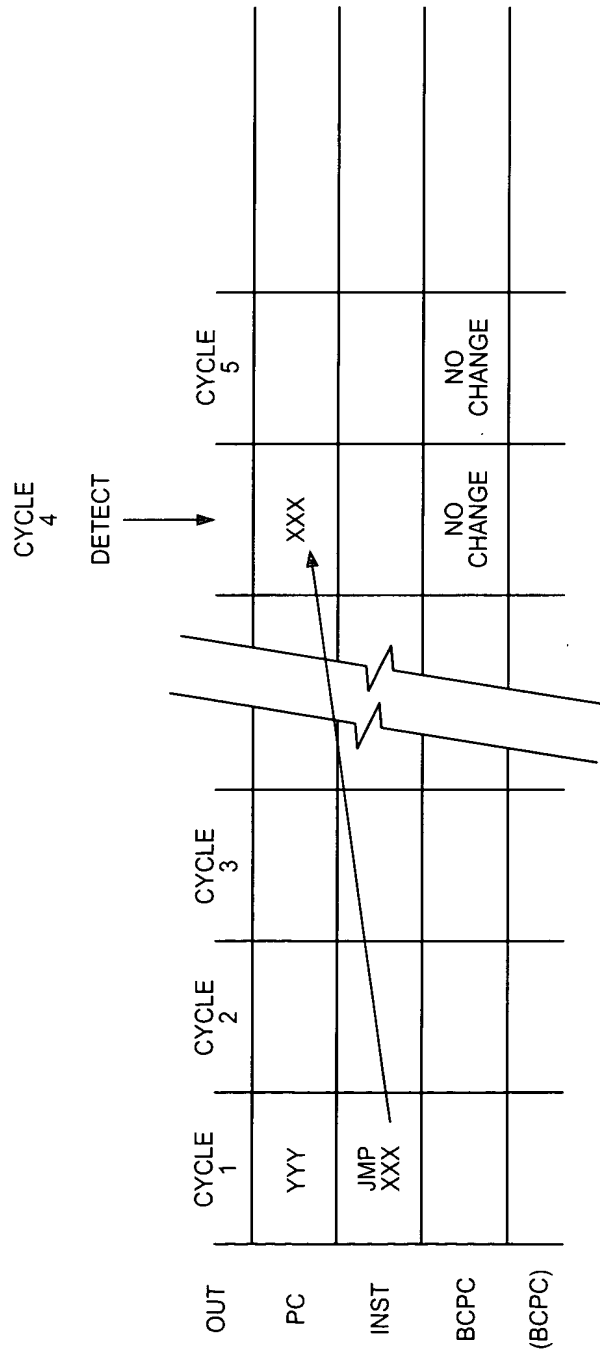


FIG. 9B

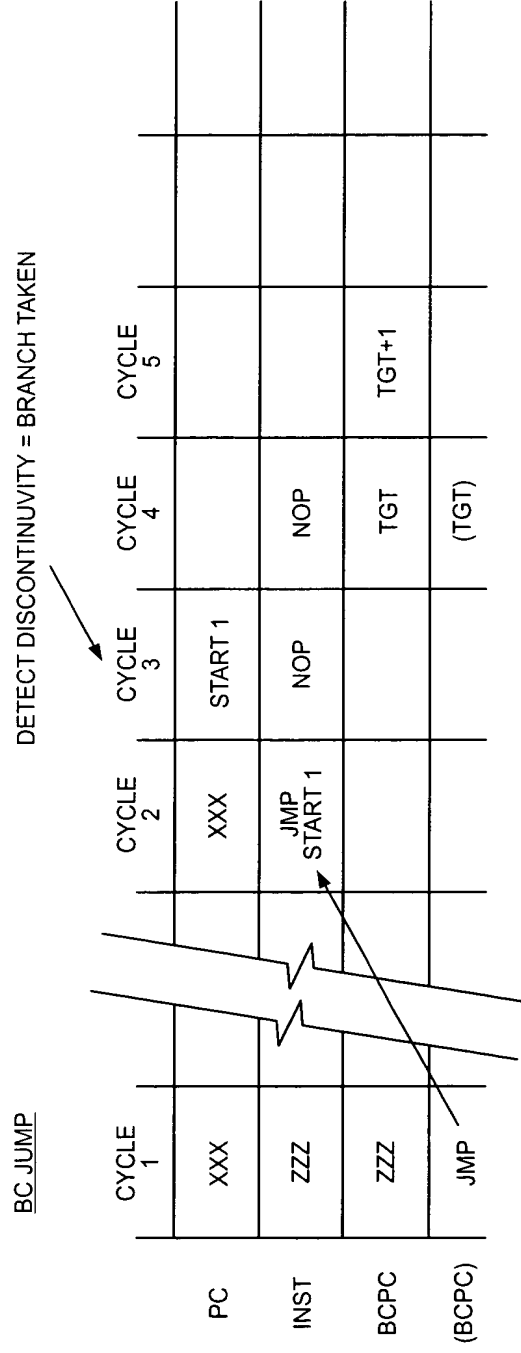


FIG. 10

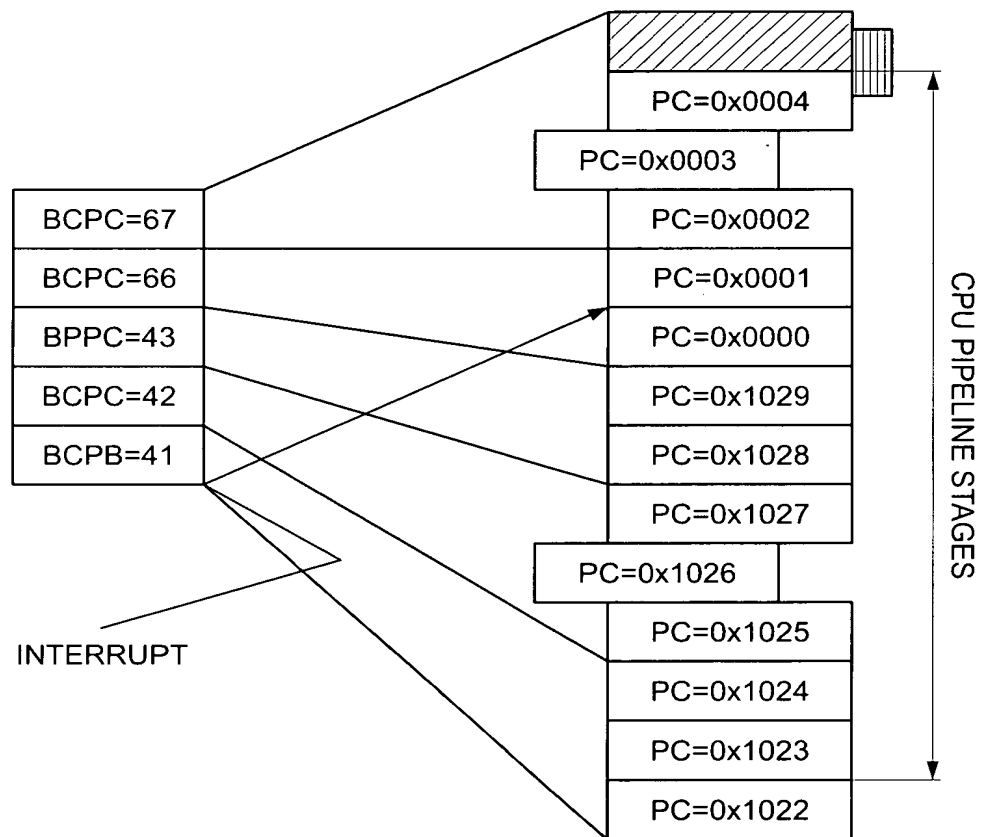


FIG. 11